

Claims

[c1] 1. A scrollbar-less control button, located in a user interface window when a document is opened, the control button being displayed in the user interface window when the document is oversize in the user interface window according to a screen resolution, the control button comprising:
a control button panel, operative to shift the document while being in contact with a mouse or clicked by the mouse; and
a status display region, operative to provide and display options between a mouse contact mode in which the mouse is in contact with the control button panel to automatically shift the document with a default shifting speed and a default shifting direction precision, and a mouse clicking mode in which the control button panel is clicked by the mouse to shift the document manually with a default clicking configuration and a default direction precision.

[c2] 2. The control button according to Claim 1, wherein the control button is automatically hidden when the document is not oversize in the user interface window.

[c3] 3. The control button according to Claim 1, wherein the control button is automatically displayed when the document is oversize in the user interface window.

[c4] 4. The control button according to Claim 1, wherein functions of the control button are configurable and displayed by pressing a right button of the mouse on the control button panel.

[c5] 5. The control button according to Claim 4, wherein the functions comprise automatic shifting speed of the mouse contact mode, the clicking configuration, the shifting direction precision, and a default value.

[c6] 6. The control button according to Claim 1, wherein the status display region is operative to switch between the mouse contact mode and the mouse clicking mode by using the mouse to click thereon.

[c7] 7. The control button according to Claim 1, wherein the contact mode includes an automatic document-scrolling mode.

[c8] 8. The control button according to Claim 1, wherein the mouse clicking mode includes a selection mode.

[c9] 9. The control button according to Claim 1, wherein the status display regions display a first color when the mouse contact mode is selected, and displays a second color when the mouse clicking mode is selected, the first color is distinctive from the second color.

[c10] 10. The control button according to Claim 9, wherein the first color includes white translucent, and the second color includes gray.

[c11] 11. A method of controlling shifting a document under a user interface window by a control button without using a scroll bar, wherein the control button is automatically displayed when the document is oversize in the user interface window, the method comprising:
shifting a mouse to a coverage of a control button panel to automatically shift the document with a default speed along a default direction when a mouse contact mode is shown in a status display region of the control button; and using the mouse to click of the control button panel to shift the document along a selected direction when a mouse clicking mode is displayed in the status display region.

[c12] 12. The method according to Claim 11, wherein the control button is automatically hidden when the document is not oversize in the user interface window.

[c13] 13. The method according to Claim 11, further comprising the step of moving the control button to a required location of the user interface window.

[c14] 14. The method according to Claim 11, further comprising the step of configuring the control button by shifting the mouse on the control button panel and pressing a right button of the mouse.

[c15] 15. The method according to Claim 14, further comprising the step of configuring the default speed of the automatic mode, clicking flip, shifting direction precision, and a predetermined value.

- [c16] 16. The method according to Claim 11, wherein the mouse contact mode includes an automatic mode.
- [c17] 17. The method according to Claim 11, wherein the mouse clicking mode includes a selection mode.
- [c18] 18. The method according to Claim 11, further comprising a step of moving the mouse on the status display region and clicking the status display region to select between the automatic mode and the selection mode.
- [c19] 19. The method according to Claim 11, wherein the status display region displays a first color when the mouse contact mode is selected.
- [c20] 20. The method according to Claim 19, wherein the first color is translucent white.
- [c21] 21. The method according to Claim 11, wherein the status display region displays a second color distinctive to the first color when the mouse clicking mode is selected.
- [c22] 22. The method according to Claim 21, wherein the second color is gray.